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PTO/SB/21 (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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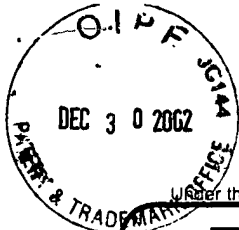
| | | | |
|--|----------------------|------------------------|------------------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | Application Number | 09/881,514 | |
| | Filing Date | 06/12/2001 | |
| | First Named Inventor | Solomon I. Beilin | |
| | Group Art Unit | 1765 | |
| | Examiner Name | Shamim Ahmed | |
| Total Number of Pages in This Submission | 14 | Attorney Docket Number | 6136/60403 (25916-226) |

| ENCLOSURES (check all that apply) | | |
|--|---|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Assignment Papers (for an Application) | <input type="checkbox"/> After Allowance Communication to Group |
| <input checked="" type="checkbox"/> Fee Attached | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input checked="" type="checkbox"/> Amendment / Reply | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below) |
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| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | Remarks | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|----------------------|
| Firm or Individual name | Coudert Brothers LLP |
| Signature | <i>Steven R. Hor</i> |
| Date | 12/24/2002 |

| CERTIFICATE OF MAILING | | | |
|---|------------------------|------|------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 12/24/2002 | | | |
| Typed or printed name | Mary M. Padilla | | |
| Signature | <i>Mary M. Padilla</i> | Date | 12/24/2002 |

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PTO/SB/17 (10-02)

Approved for use through 10/31/2002. OMB 0651-0032

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FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27TOTAL AMOUNT OF PAYMENT (\$)**168.00****Complete if Known**

| | |
|----------------------|------------------------|
| Application Number | 09/881,514 |
| Filing Date | 06/12/2001 |
| First Named Inventor | Solomon I. Beilin |
| Examiner Name | Shamim Ahmed |
| Art Unit | 1765 |
| Attorney Docket No. | 6136/60403 (25916-226) |

METHOD OF PAYMENT (check all that apply)☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit Account Number
Deposit Account Name

13-0201

Coudert Brothers LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☐ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 740 | 2001 | 370 | Utility filing fee | |
| 1002 | 330 | 2002 | 165 | Design filing fee | |
| 1003 | 510 | 2003 | 255 | Plant filing fee | |
| 1004 | 740 | 2004 | 370 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |

SUBTOTAL (1) (\$)**-0-****2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

| | | Extra Claims | Fee from below | Fee Paid |
|--------------------|--|--------------|----------------|----------|
| Total Claims | | -20** = | X | |
| Independent Claims | | -3** = | X | |
| Multiple Dependent | | | | |

| Large Entity | | Small Entity | | Fee Description |
|--------------|----------|--------------|----------|--|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 84 | 2201 | 42 | Independent claims in excess of 3 |
| 1203 | 280 | 2203 | 140 | Multiple dependent claim, if not paid |
| 1204 | 84 | 2204 | 42 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)**168.00**

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 400 | 2252 | 200 | Extension for reply within second month | |
| 1253 | 920 | 2253 | 460 | Extension for reply within third month | |
| 1254 | 1,440 | 2254 | 720 | Extension for reply within fourth month | |
| 1255 | 1,960 | 2255 | 980 | Extension for reply within fifth month | |
| 1401 | 320 | 2401 | 160 | Notice of Appeal | |
| 1402 | 320 | 2402 | 160 | Filing a brief in support of an appeal | |
| 1403 | 280 | 2403 | 140 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,280 | 2453 | 640 | Petition to revive - unintentional | |
| 1501 | 1,280 | 2501 | 640 | Utility issue fee (or reissue) | |
| 1502 | 460 | 2502 | 230 | Design issue fee | |
| 1503 | 620 | 2503 | 310 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 740 | 2809 | 370 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 | 740 | 2810 | 370 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 | 740 | 2801 | 370 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)**-0-****SUBMITTED BY**

(Complete if applicable)

| | | | | | |
|-------------------|------------------------|-----------------------------------|------------|-----------|--------------|
| Name (Print/Type) | Steven R. Vosen, Ph.D. | Registration No. (Attorney/Agent) | 45,186 | Telephone | 415/409-2900 |
| Signature | | Date | 12/24/2002 | | |

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete; including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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#6/B
4/3/03
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Solomon I. Beilin, et al.
Serial No.: 09/881,514
Filed: June 12, 2001
For: METHODS OF PLANARIZING
STRUCTURES ON WAFERS
AND SUBSTRATES BY
POLISHING
Group Art Unit: 1765
Examiner: Shamim Ahmed
Attorney Docket: 6136/60403(25916-226)

**CERTIFICATE OF
MAILING/TRANSMISSION
(37 C.F.R. § 1.8A)**

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() transmitted by facsimile to the Patent and Trademark Office.

December 24, 2002

Mary M. Padilla
Mary M. Padilla

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AMENDMENT UNDER 37 C.F.R. §1.111

Sir:

The following Amendment and Remarks are made in response to the Office Action mailed September 24, 2002. Reexamination and reconsideration of the application in light of the following Amendment and Remarks are respectfully requested.

In the Specification:

Please replace the paragraph beginning on Page 14, line 9 through the beginning of Table II with the following paragraph:

B1
The removal rate of tungsten was found to be lower in acidic slurries than in alkaline slurries, and this is believed to be due to the formation of an oxide layer over the tungsten in acidic (low pH) slurries. This oxide layer retards the chemical-mechanical polishing of tungsten. Therefore, it is desirable to polish the samples in acidic slurries so that a thin tungsten layer can hold up longer and serve more effectively as a polish-stop layer. The chemistry of commercial slurries was modified by adding various acids to adjust the pH to be within the acidic range (pH < 7.0), and the effects of these acids on polish selectivity were experimentally studied by examining the chemical etching rate of copper, polyimide, and

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